

ABSTRACT

Disclosed herewith is a compact air conditioner for automobiles. The air conditioner includes an evaporator positioned and a heater core. A defrost vent is selectively opened and closed by a defrost door, and positioned in a mixing chamber. A face vent is opened and closed by a face door. A floor vent is divided by a second partition positioned behind the heater core, and selectively opened and closed by a floor door. A first partition is positioned between the evaporator and the heater core, and provided with a first blowing opening for allowing air to detour the heater core and a second blowing opening for blowing air to the heater core. A temperature regulating door is supported on both sidewalls of the air conditioner housing by its two side support arms. A heater chamber containing the heater core is defined by the first and second partitions and a pair of side partitions, is open at its bottom and communicates with the second blowing opening. A pair of side blowing passages are formed between each side partition and an interior wall of the air conditioner housing.

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